

Biochemistry of Biogenic Amines
in the Central Nervous System, II.
Catecholamines, by V. Vitek, et al.
CZECH, per, Activ Nerv Sup, Vol 6,
No 1, 1964, pp 12-27.
NIH 3-62-65 (loan)

Sci Biol & Med Sci
May 65

Czech Study of Problems of Interpretation of
the Mechanism of the Effect of Psychophar-
macologic Drugs, by V. Vitsk and K. Rysanek,
11 pp.
CZECH, per, Activitas Nervosa Superior, Vol 6,
No 2, 1964, pp 160-165.
JPRS 42754

Sci: B&M
Oct 67

342,939

Air Pollu.

R -7451-D
6 Sept. 1966

CHANGES IN FREE AMINO ACIDS IN THE RAT BRAIN IN ANOXIA
CAUSED BY CARBON MONOXIDE

Author: Sklenovsky, A.

Source: Aktiv. Nerv. Sup (Praka) 272-5, 1964 (4 pp)

Language: Polish

Est for wds:

Translate and type 1 original and 1 carbon copy.
Document can be cut. (Typing instructions attached)

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

Activitas Nervosa Superior

1966 V8 P464-465

70-21438 <*>

Order from NTC

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

Introduction and Resume of the Study of Huarochiri
Communities, by Jose Matos, Teresa Guillen, 32 pp.
GOVERNMENT USE ONLY

~~SECRET~~

SPANISH, bk, Las Actuales Comunidades de Indigenas:
Huarochiri en 1955, Lima, 1958, pp 11-44.
JPRS GUO: 542

LA-Peru
Pol
Jan 65

271,772

COLIMYCIN IN PEDIATRICS (La Colimicina en
Pediatria), [1963] 6p. 10 refs.
Order from SLA \$1.10

63-16528

Trans. of Actualidad Pediatrica (Spain) 1961, v. 20,
July p. 1-6.

DESCRIPTORS: *Colimycin, *Antibiotics, *Pediatrics,
Therapy, Dosage, Escherichia, Toxicity, Physical
properties, Chemical properties.

(Biological Sciences--Pharmacology, TT, v. 10, no. 7)

63-16528

Office of Technical Services

COLIMYCIN IN PEDIATRICS (La Colimicina en
Pediatría). [1963] 6p. 10 refs.
Order from SLA \$1.10

63-16528

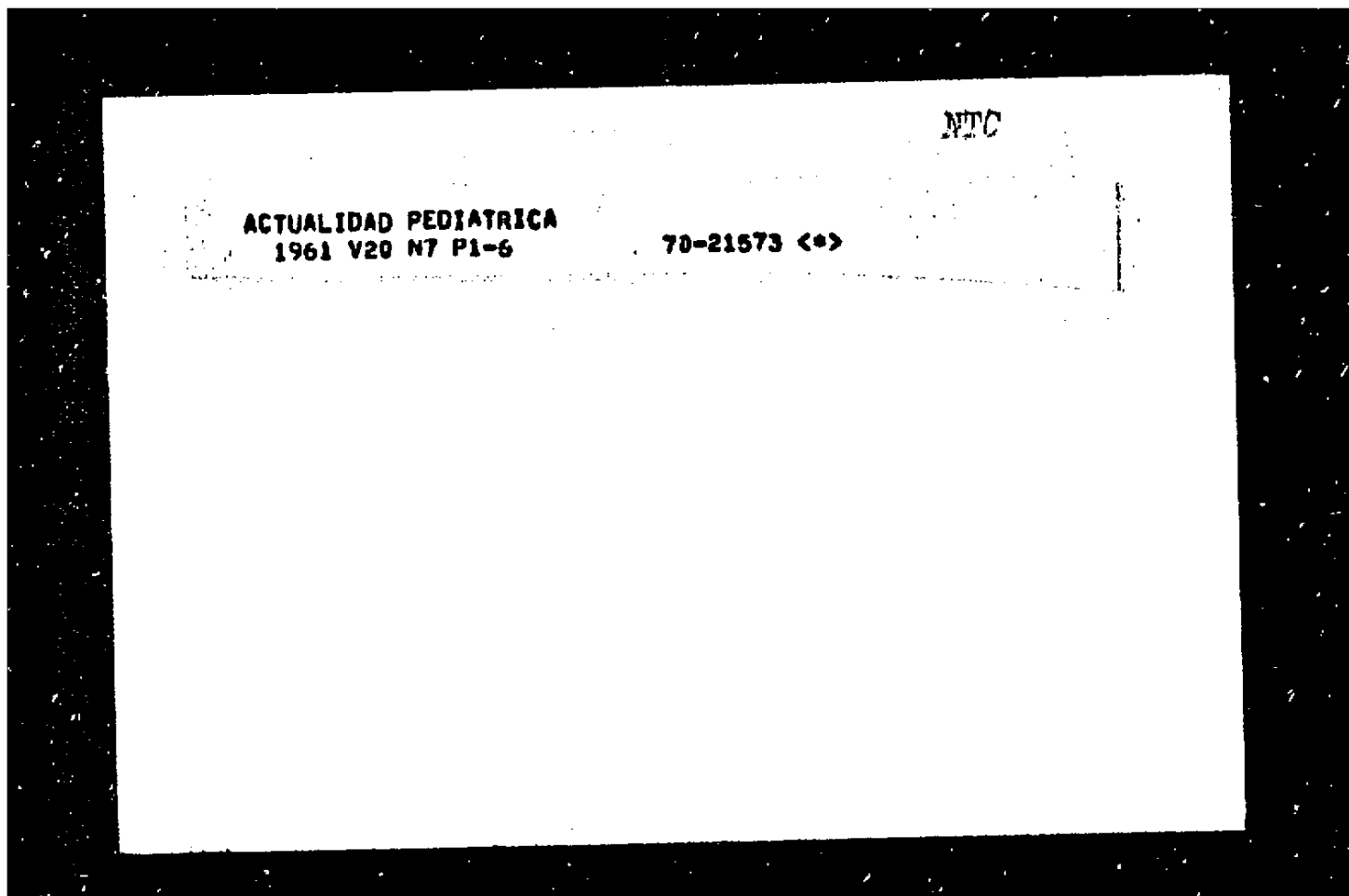
Trans. of Actualidad Pediatrica (Spain) 1961, v. 20,
July p. 1-6.

DESCRIPTORS: *Colimycin, *Antibiotics, *Pediatrics,
Therapy, Dosage, Escherichia, Toxicity, Physical
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(Biological Sciences--Pharmacology, TT, v. 10, no. 7)

Office of Technical Services

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9



APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

Constitution Said to Prevent Munongo From Being
Minister of Interior and High Commissioner
~~Simultaneously~~, 5 pp.

FRENCH, np Actualites Africaines, Leopoldville,
Vol IX, No. 47, 7 Nov 64, pp 1, 6.

JPRS 27641

Africa-Congo
Pol

272,213

Photoactivation of Pigmented Neuronic Somata,
by A. Arvanitaki-Chalazonitis, 33 pp.

FRENCH, per, Actualites Neurophysiologiques,
Vol. I, 1959, pp 39-61.

WH 3-29-60

Sci - Med

May 60

117, 317

Structure and Biochemical Models of Glutamate
by A. M. Monnier, A. Monnier, 25 pp.

FRENCH, par, Actualites Neurophysiologiques,
Vol 1, 1959, pp 71-88.

WH 3-30-60

Sci - Med

May 60

11/10

Relationships Between Cortical and Reticular Activity, by
M. Bonvallet, 21 pp.
FRENCH, per, Actualitees Neurophysiologiques, Vol I,
1959, pp 166-181.

NIH 1-9-64

Sci-Biol & Med Sci
March 64

251,237

S-1737

Experimental Sleep and Its Humoral Transmission, by Marcel Monnier, *33 pp.*
FRENCH, per, Actualites Neurophysiologiques,
Vol V, pp ~~88~~ 203-227.

le
*JPRS/SPECIAL/NY-9710

Sci-B/M
Apr 65

Reubl, F., Pauli, H., and Teuscher, A.
SOME ASPECTS OF THE REMOTE CIRCULATORY,
RESPIRATORY AND METABOLIC EFFECT OF RENAL
INSUFFICIENCY. III. DISTURBANCES OF THE
GLUCIDIC METABOLISM (Quelques Aspects du
Retentissement Circulatoire, Respiratoire et
Métabolique de l'Insuffisance Rénale). [1963] [10p]
(figs omitted) 21refs
Order from SLA \$1.10

TT-63-20471

Trans. of Actualités Néphrologiques de l'Hôpital
Necker (France) 1963, p. 127-141.

DESCRIPTORS: *Metabolism, Cardiovascular system,
Respiration, Diseases, *Kidneys, *Glycosides.

(Biological Sciences--Pathology, TT, v. 11, no. 4)

TT-63-20471

- I. Title: Renal insufficiency
- I. Reubl, F.
- II. Pauli, H.
- III. Teuscher, A.
- IV. Title: Disturbances ...

Office of Technical Services

A New Hereditary Malformation. Dysmorphism of the
Buccal Frena, by Mrs. Papillon-Leage, J. Psaume,
16 pp.

FRENCH, per, Actualites odonto-stomatologiques
(extract), 1954 or 1955?, pp 7-26.

NIH Tr No 1115

Scientific - Medical ^{ine}

30,788

Keratosiis, Hyperkeratosis, Parakeratosis and
Dyskeratosis of the Buccal Mucous Membrane, by
L. Lebourg,
FRENCH, per, Actualites Odontostomat, Vol LXVII,
1964, pp 273-291.
HEN-NIH-7-2-66

Sci-86M
Han 67

316,931

Inhibitors of Carbonic Anhydrase. Relations
between Activity and Structure, by D. Bar
GERMAN, per, Actualites Pharmacol, Vol 15,
1963, pp 1-44.

HEW NIH

12-3-68

Sci-B&M
Feb 69

369,519

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

Actualites Scientifiques et Industrielles

1938 N 577 pp 1-73

ntc 70-24652

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

Regulator Circuit, by Gilbert S. Smith, Jr. 10-10-54

Woods, Dan, Architectural Surveying, 2d. Ed. McGraw-Hill,
New York, 1949, pp 60-79.

11. Engineering

Sub. A. 47-3107-1083.

C L A 3370

215

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

S-255/62

Space Research in Europe, by David B. Pollock,
(~~SS 467 6788~~)

K FRENCH, per, Actualite Spatiale, No 10, Jan 1962,
pp 27-31.

JPRS 61 2786

2, 1962

Sci - Space Res
Western Europe
2 May 62

S-255/62

Resources and Prospects for Space Research in ~~XX~~
Europe, H

FRENCH, per, Actualite Spatiale, No 10, Jan 1962,
pp 32-35.

Sci - Space Res
Western Europe
2 May 62

AFRIS/21-6788

Special

Schoch, A.
THE TRANSMISSION OF SOUND THROUGH PLATES.
[1964] 2Sp
Order from ATS \$27.75

ATS-21Q74G

Trans. of Acustica (Switzerland) 1952, v. 2, no. 1,
p. 1-17.

(Physics--Acoustics, TT, v. 11, no. 12)

TT-64-12773

- I. Schoch, A.
- II. ATS-21Q74G
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Schoch, A.
LATERAL DISPLACEMENT OF A TOTALLY RE-
FLECTED ULTRASONIC WAVE BEAM. [1964] 3p
Order from ATS \$3.50 ATS-22Q74G

Trans. of Acustica (Switzerland) 1952, v. 2, no. 1,
p. 18-19.

(Physics--Acoustics, TT, v. 11, no. 12)

TT-64-12772

I. Schoch, A.
II. ATS-22Q74G
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Investigations on Vibrating Cavitation in Liquids,
by R. Esche, SX 40 pp.

GERMAN, per, Acustica, Vol II, X961952, pp B208.

TIL/T 5281

Sci
Nov 63

per info received Mrs Floss (Dept of Int).

Stenzel, Heinrich.
THE ACOUSTIC RADIATION OF A VIBRATING
RECTANGULAR RIGID MEMBRANE (Die Akustische
Strahlung der Rechteckigen Kolbenmembran) tr. by
Wolfram Stadler. [1961] [28]p. 23 refs.
Order from SLA \$2.60

61-18912

Trans. of Acustica (Switzerland) 1952. v. 2, no. 6,
p. 263-281.

DESCRIPTORS: *Membranes, *Acoustics, Sound,
Mathematical analysis, Acoustic Impedance,
Vibration, Radiation effects.

General formulae are obtained for calculating the sound
field immediately in front of a vibrating rectangular
membrane. The vicinal sound field is calculated by
graphical integration and illustrated by many diagrams.
Then general formulae for the radiation impedance are
derived; and finally its two components are calculated
(Physics--Acoustics, TT, v. 6, no. 9) (over)

61-18912

I. Stenzel, H.

155497

Office of Technical Services

The Properties of Water-Filled Tubes for Impedance
and Speed of Sound Measurements, by Walter Kuhl,
21 pp.

GERMAN, per, Acustica, Vol III, 1953, pp 111-123.

Navy Tr 3430/USRL 31

NTC 70-25548

Sci - Electron
Jul 63

235,761

order from NTC

*Card
I*

ACUSTICA

1953 V3 P421-433

1954 V4 P427-432

1957 V7 P201-216

1963 V13 P14-24

1963 V13 P183-186

70-22429 <*>

70-23653 <*>

70-23691 <*>

70-10291-20A <*> 0

70-12297-20A <*>

On the Acoustical Properties of Gas Bubble
Screens in Water, by E. Mayer, E. Skudrzyk.

GERMAN, per, Acustica, Vol III, 1953, p 434.

Navy 1970/T-285

Sci - Physics
Jan 59

79,877

Derivation of the Laws of Force for all Magnetic
and all Electrical Sound Transducers from one general
law for each Kind, by F. A. Fischer,
Glasgow, per, Acustica, Vol III, 1953, pp 441-448.
Dept of Navy/NEL tr-1075

COPYRIGHTED

Sci-Electron & Elect Engr

315,518

Dec 66

Efficiency Measurements on Transducers for Liquid-Borne Sound, by H. Thiede, 7 pp.

GERMAN, per, Acustica, Vol III, 1953, pp 449-451.

Navy Tr 3431/USRL 32

NTC 70-25547

Sci - Electron
Jul 63

235,762

The Concept of Acoustic Impedance, by W. Willms.
GERMAN, ~~per~~, Acustica, Vol IV, No 1, 1954,
pp 427-432.
Dept of Navy 4428, USRL Tr No 51

NTC 70-23653

Sci - Elec
Feb 66

295,427

Cinematographic Photographs of Water Vapour Bubbles,
by W. Gueth

GERMAN, per, Acustica, Vol I, 1954, pp 445-455.

9043232

ACSIL 773

dec 59

Investigation of Aperiodic Time Processes With
Autocorrelation and Fourier Analysis, 44 pp.

GERMAN, per, Acustica, Vol IV, No 3, 1954, pp
365-379.

NACA TM 1404

Sci - Electron

Apr 58

61, 490

Oberst, H., Becker, G. W., and Frankenfeld, K.
THE DAMPING OF VIBRATIONS OF THIN SHEET
METAL BY MEANS OF FIRMLY ADHERING COAT-
INGS. II. ADVANCES IN THE DEVELOPMENT OF
NOISE-REDUCING MATERIALS. [1960] [18]p. 14 refs.
A. C. S. I. L. Trans. 789; ACSIL/ADM/56/44.
Order from OTS or SLA \$1.60 61-19983

Trans. of Acustica (Switzerland) 1954, v. 4,
p. 433-444.

DESCRIPTORS: *Sheets, *Damping, Vibration,
*Plastic coatings, Coatings, *Acoustic insulation, In-
sulating materials, Vehicles

The possibility of comparing different damping sub-
stances is discussed. It is shown how a maximum of
damping efficiency in the desired ranges of frequency
and temperature can systematically be obtained by
means of plasticised high polymers mixed with appro-
priate inorganic filling materials. The practical appli-
cations of these materials are discussed. (Author)

61-19983

- I. Oberst, H.
- II. Becker, G. W.
- III. Frankenfeld, K.
- IV. ACSIL Trans-789
- V. ACSIL/ADM/56/44
- VI. Admiralty Centre for
Scientific Information and
Liaison (Gt. Brit.)

161843

4-27-61

Office of Technical Services

(Physics--Acoustics,
TT, v. 6, no. 1)

Sound Propagation in Small-Bore Tubes, by
H. W. Helberg.

GOVERNMENT USE ONLY

GERMAN, per, Acustica, Vol 4, 1954, pp 578-586.

P500246968-V

Dept of Navy NRL Trans No 1134

COPYRIGHTED

Oct 68

368,228

Two-port Equivalent Circuits for Electromechanical Transducers, Part 1, by S. Reichardt and A. Lenk,
GERMAN, per, Acustica, Vol V, 1955, pp 1-6.
Dept of Navy/NRL Tr No 1076

COPYRIGHTED
Sci-Electr & Elect Engr
Mar 67

520,194

The Unusual Amplitude Trend of Nonlinear Distortions
of the Ear, by E. Zwicker,
GERMAN, per, Acustica, Vol 5, 1955, ppp 67-74,
Dept of Navy APL/JHU T-2461

Sci-B&M
Nov 70

Reflectionaand Refraction of Acoustic Waves by a
Shock Wave, by J. Brillouin, 42 pp.

W

GERMAN, per, Acustica, Vol V, No 3, 1955, PP
149-163.

NACA TM 1409

Sci - Phys

50,526

Aug 57

Forces of Attraction and Repulsion Between
Spheres in a Sound Field, by W. Dorr, 10 pp.

GERMAN, per, Acoustics, Vol V, 1955, pp 163-166.

S.L.A. Tr 1217

Sci - Physics
Jan 57 CTS

42, 331

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

E. Zwicker
Loudness of Uniform Noises.
Acustica (Stuttgart), v. 5, 1955 p 303-316.
NASA TT F 13912

Feb 73

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730015-9

The Eigenfrequencies of Horns, by Th. Lange.

GERMAN, per, Acustica, Vol V, No 6, 1955, pp 323-330.

NATL Res Council, Canada

TT No 751

CST 100

E Sci - Electronics

Apr 60

112,632

Acoustical Calibration Standards, by F. Spandock,
17 pp.

GERMAN, per, Acustica, Vol V, No 197, 1955.

Navy Tr 3319/USRL 22

Sci - Phys
Mar 63

224,864

62-18334

Hertz, C. H. and Edler, I.
THE RECORDING OF THE MOVEMENTS OF THE
HEART WALLS USING THE ULTRASONIC IMPULSE
METHOD (Die Registrierung von Herzwandbewegungen
mit Hilfe des Ultraschall-Impulsverfahrens). [1962]
[14]p (foreign text included) 12refs
Order from SLA \$1.60 62-18334

I. Hertz, C. H.
II. Edler, I.

Trans. of Acustica (Switzerland) 1956, v. 6, p. 1-4.

DESCRIPTORS: *Medical equipment, Motion, *Heart,
*Ultrasonic equipment, Medical examination.

Using the ultrasonic reflectoscope the position of the
heart walls in the human body can be located by placing
the quartz crystal of the ultrasonic reflectoscope on
the chest of the patient in such a way that the sound
passes between the ribs and falls upon the heart region
to be investigated. Further, with the help of a special
(Biological Sciences--Medical Specialties, TT, v. 10,
no. 10) (over)

Office of Technical Services

*The Significance of the Frequency Group for the
Loudness of Sounds, by H. Bauch. 13 pp.*

GOVERNMENT USE ONLY

GERMANY, per, Acustica, Vol 6, 1956, pp 40-45.

NASA TT F-13083

sci/b and m
sept 70

Radiation Behavior of Walls, by K. Goselo.
FOR GOVERNMENT USE ONLY
GERMAN, por, Acustica, Vol VI, 1956, pp 94-98.
9696430
DDC NSIC=353

Sci - NS
Apr 65

278,263

Two-Port Equivalent Circuits for Electro-
mechanical Transducers, Part II, by
A. Lenk,
GERMAN, per, Acustica, Vol VI, 1956,
pp 303-316. P500057467
Dept of Navy/NRL Tr No 1079

Sci-Electr
Mar 67

230,283

The Elementary Basis for Determination of the
Information ~~Capacity~~ Capacity of the Hearings, by
H. Zwicker, 21 pp.

GERMAN, proc, Acustica, Vol VI, No 2, 1956, pp
365-381. (publ in Switzerland)

SLA 57-3048

Sci

Aug 58

71,011

Q

On the Sound Production by Periodic Short
Pressure-Pulses with Relation to the Sensation
of Loudness, by H. Bauch. 31 pp.

GOVERNMENT USE ONLY

GERMAN, per, Acustica, Vol 6, 1956, pp 494-511.
NASA TT F 13,055

sci/physics
oct 70

Transmission of Impact Sounds by Floating Floors,
by M. Foti.
GERMAN, per, Acustica, Vol 7, 1957, pp 29-37.
GB 49/T.D. 1625

Sci -

Jul 67

333,678

Chocholle, René.

AUDITORY DIFFERENTIAL INTENSITY IN THE
PRESENCE OF A CONTRALATERAL TONE OF THE
SAME FREQUENCY. [1963] [27]p. 5 refs.

Order from SLA \$2.60

63-18883

Trans. of Acustica (Switzerland) 1957, v. 7, p. 75-81.

DESCRIPTORS: *Audiometry, *Hearing, *Thresholds
(Physiology), Attenuation, Attenuators, *Ear, Sensory
mechanisms) Sound, Tests, Measurement.

Variations in the intensities received at one ear are
measured while a steady tone of the same frequency is
measured at the other ear. Examination of the response
curves and their slopes in the middle portion, as well as
of the differential thresholds, shows that there is always
an attenuation in differential sensitivity. This phenom-
enon will be the more pronounced, the higher the inten-
sity of tone on the other ear. It can be assumed that this
effect is of cortical origin and is, perhaps, a question of
contrast. (Author)

63-18883

I. Chocholle, R.

(Biological Sciences--Physiology,
TT, v. 10, no. 11)

Office of Technical Services

Wave Impedance and Specific Impedance in Acoustics, by
UNCL G. Laville, Th. Vogel.
GERSMAN,
REFERENCE, per, Acustica, Vol VII, 1957, p 101.

Navy Tr 2847/USRL 1

Sci - Phys
Jul 61

160, 681

Vibration of the Stators of ~~DI~~ Large Electrical
Machines, by E. Lubcke.

GERMAN, per. Acustica, Vol VII, No 2, 1957,
pp 133-136.

CSIRO

Sci - Electron
Aug 62

207,368

Sound Pressure Variation and spectrum of sonically
induced Cavitation, by L. Bohn, 21 pp.
GERMAN, per, Acoustics, Vol VII, 1957, pp 201-217.
Navy Tr 4047/USRL Tr 46

NTC 70-23691

Sci-Phys
Mar 66

274,971

Ultrasonic Surface Cleaning, by J. Olaf.

GERMAN, per, Acustics, Vol VII, No 5,
1957, pp 2543-263.

CSIRO

Sci - Phys
Jul 62

207,664

The Propagation of Structure-borne Sound in
Buildings, by W. Westphal.
GERMAN, per, Acustica, Vol 7, 1957, pp 335-348.
NLL Ref: 5196 (1437)

Sci-Mech
Sept 69

39a1,081

Calibration of Hydrophones at Infrasonic
Frequencies, by O. Brandt, UNCLASSIFIED
GERMAN,
~~RUSSIAN~~ per Acustica, Vol VIII, No 1, 1958,
p 31.

Navy 2495/USRL 2

Sci - Physics
May 60

115,982

Reciprocity Calibration of Underwater Sound
Transducers in a Free Field, by H. Marmoz,
16 pp.

GERMAN,
RESEARCH, Acustica, Vol VIII, 1958, p 102ff.

OTS 60-21164

Sci
Vol IV, No 8
29 May 62

198, 229

Results From the Construction of a Supersonic
Iconoscope, by W. Freitag, H. J. Martin, 9 pp.
GERMAN, per, Acustica, Vol VIII, 1958, pp 197-200.
9224875 922 7157
AEC-ANL-Tr-69

Sci-Nucl Sci
Nov 64

268,714

Description of an Electronic Ultrasonic Image
Converter, by W. Freitag, H. J. Martin, 7 pp.

GERMAN, per; Acustica, Vol VIII, 1958,
pp 197-200.

ACST 1-8006
ID 2216543

Sci - Phys
Jan 63

221,746

Investigations on the Influence of Eigen-
resonances of Rooms on the Results of
Sound Insulation Measurements, by K
Heckl.

GERMAN, per, Acustica, Vol 8, No 4, 1958,
pp 212-222
GB/21/LC 963

Sci -

Jul 67

334,856

Kuttruff, H.
PROPERTIES AND ANALYSIS OF REVERBERATION
CURVES. [1961] 11p. 9 refs.
Order from SLA \$1.60

61-20535

Trans. of Acustica (Switzerland) 1958, v. 8,
p. 273-280.

Another trans. is available from ATS \$14.80 as
ATS-90N52G [1961] 11p.

DESCRIPTORS: Vibration, *Sound transmission,
Acoustics, *Reverberation.

An exposition of reverberation phenomena in enclosed spaces is given and hence the characteristic bending of reverberation curves is predicted. The slope at the commencement of such a curve is shown to be proportional to the weighted arithmetic mean of the damping factors of all the relevant natural vibrations. (Physics--Acoustics, TT, v. 7, no. 1) (over)

61-20535

I. Kuttruff, H.

Office of Technical Services

Hot-Wire Measurement of Ultrasonic Intensity,
by J. Schreiner.
GERMAN, per, Acustica, Vol 8, No 5, 1958, pp 303-307.
NAVY/APL/JHU-T-2653

Nov 72

20320
4 March 68
Acoustical-Optical Picture Transformation
by Means of Photographic Films by B. Beck, pp
79-85

Acoustics, per, Acoustics, Vol.9, Vienna, 1959

Special Type "A": Translator's draft plus one
(text and captions only wherever possible)
P.D. 11 March 68

pp- do not mutilate,

12

Sound Radiation From Point Driven Hollow
Cylinders, by Von M. Heckl.

GERMAN, per, Acustics, Vol IX, No 2,
1959, pp 86-92.

Sci - Phys
Mar 62

CSIRO

AB/7

189, 286

The Loudness of Noise From Motor Vehicles,
by H. J. Rademacher.

GERMAN, per, Acustica, Vol IX, 1959,
pp 93-108.

CSIRO

Sci - Phys
Apr 62

190,345

Tamm, K. and Weiss, O.
INVESTIGATIONS OF PERIODIC WAVES, EXPO-
NENTIAL AND COMPLEX NEAR FIELDS IN
BOUNDED SOLIDS. [1962] 33p. 13 refs.
Order from SLA \$3.60 62-20333

Trans. of Acustica (Switzerland) 1959, v. 9,
p. 275-288.

DESCRIPTORS: *Sound transmission, Mechanical
waves, Propagation, *Wave transmission, Sheets,
Vibration, Velocity, Damping, Energy, Solids, Shear
stresses, Liquids, Equations.

The boundary conditions for the basic elastic equa-
tions describing the vibrations of a bounded solid
cannot be satisfied by assuming periodic waves only.
Waves with complex and real propagation constants are
also required. After consideration of solved and
(Physics--Acoustics, TT, v. 10, no. 1) (over)

62-20333

I. Tamm, K.
II. Weiss, O.

Office of Technical Services

An Ultrasonic Radiator for Flaw Detection With
Improved Near Field, by K. von Hasselberg, J.
Krautkramer. UNCLASSIFIED

German
RUSSTAN, per, Acustica, ~~Vol~~ No 2, 1959, p 359.

Navy Z 2496/USRL 8

Sci - Physics
May 60

115,903

On the Study of the Problem of Tonal
Selectivity of the Ear, by L. Pimonov,
22 pp.

GERMAN, per, Acustica, Vol IX, No 5,
1959, pp 345-352.

SLA 60-16915

Sci
Feb 62
Vol 4, no 9

184, 686

Ultrasonic-Radiator for Testing of Materials With
Improved Near-Field, by K. von Haselberg, J.
Kraulrenner,

GERMAN, per, Acustica, Vol IX, 1959, pp 359-364.

AEC Tr-4025

Sci - Chem

175 6-1-53

CEA A-1217 Rev-1

May 60

117,377

Weiss, O.

ON THE PROPAGATION OF SOUND IN DISSIPATIVE
MEDIA WITH COMPLEX SHEAR AND BULK
MODULUS. [1962] 31p. 4 refs.

Order from SLA \$3.60

62-20331

Trans. of Acustica (Switzerland) 1959, v. 9,
p. 387-398.

DESCRIPTORS: *Sound transmission, Mechanical
waves, *Wave transmission, Propagation, Sheets,
Elasticity, Liquids, Absorption, Continuous media,
Equations.

Topics include: Compression waves, shear and dilata-
tion waves (primary waves) in a dissipative medium;
compression wave propagation in a homogeneous
liquid layer (free of shearing stress), bounded absorp-
tively with compression losses; wave propagation in an
(Physics--Acoustics, TT, v. 10, no. 1) (over)

62-20331

I. Weiss, O.

Office of Technical Services

Absolute Calibration of Microphones in a Diffuse
Sound Field, by H. G. Diestel, 6 pp.

GERMAN, per, Acustica, Vol X, 1960.

Navy Tr 3215/USRL 21

Sci - Engr

Sep 62

211, 289

Modes of Vibration of Cylindrical Disks of
Barium Titanate Ceramic, by G. Schmidt.
EUROPEAN, per, Acustica, Vol 10, 1960, pp 30-
34.

NTC-71-11744-20A

NAVY 3697/USRL 12

CTS 62-10078

Feb 72

Investigation of Orthotropic Sheets, by M. Heckl.
GERMAN, per, Acustica, Vol 10, 1960, pp 109-115.
NTC-71-11900-20A

Many LC 3- / USSR 10

Nov 71

Ultrasonic Image Converter With Electronic Mirror,
by Von G. Koch, *4 pp.*

GERMAN, per, Acustica, Vol X, 1960, pp 167-170.

*ACSI I-2149
ID 22276~~8~~40

Sci - Phys
11 Mar 63

Accurate Measurement of Classical Sound Absorption
in Gases by Means of Cylindrical Resonators, I.
by L. Fritzsche.
GERMAN, per, Acustica, Vol 8, No 4, 1960,
pp 189-198.
NASA TT F-9275

Sci-Phys

May 61

U.S. GOVERNMENT ONLY

280,179

Theory of Acoustical Cylindrical Resonators
Taking Into Consideration the Excitation Due
to Sound. II, by L. Fritzsche.
GERMAN, per, Acustica, Vol 1, No 4, 1960,
pp 199-207.
NASA TT F-9276

Sci-Phys
May 65
U.S. GOVERNMENT ONLY

EE, 280,181

Problems in the Transmission of Ultrasonic
Vibrations in Heated Liquids, by R. Pohlman.
GERMAN, per, Acustica, Vol 10, No 4, 1960,
pp 229-237.
NTC 71-14185-20A

Feb 72

The Construction of an Anechoic Tank for Underwater
Sound Measurements, by E. Mayer, W. Schile, K. Tamm.

1/2 X
GERMAN, per, Acustica, ~~10-10~~, 1960, p 231.

~~REF~~ USRL Tr 13

EEur - Germany

Econ

Jul 61

Tamm, K. and Weis, O.
WAVE PROPAGATION IN INFINITELY EXTENDED
DISCS AND IN DISC STRIPS. [1962] 25p. 4 refs.
Order from SLA \$2.60 62-14437

Trans. of Acustica (Switzerland) 1961, v. 11 [no. 1]
p. 8-17.

DESCRIPTORS: *Mechanical waves, *Wave transmission,
Distortion, Reflection, Attenuation, Velocity, Disks.

An analysis shows that the same wave types occur in disks as in the case of secondary waves with plane distortion field. In disks the dilatational wave that is without rotation in xyz is replaced by the extensional plate wave, free of rotation only in xy, which formally has the same properties in disks as the dilatational wave in an infinite medium. As a secondary wave, the extensional plate wave is of course a combination of a shear wave and a dilatational wave. (Author)

62-14437

I. Tamm, K.
II. Weis, O.

(Physics--Wave Propagation,
TT, v. 9, no. 6)
Office of Technical Services

Relaxation Phenomena for Attenuation of Sound
in Gases, by G. Kurze.
GIESMAN, par, Acustica, Vol 21, 1961, pp 112-117.
NASA TT F-9277

Sci-Electr
May 65
U.S. GOVERNMENT ONLY

230,196

Laverigne, M. and Chauveau, J.
TRANSFER FUNCTIONS OF PIEZOELECTRIC TRANS-
MITTERS AND RECEIVERS FOR SEISMIC MODELS.
[1962] 13p. 7 refs.

Order from SLA \$1.60

62-14436

Trans. of Acustica (Switzerland) 1961, v. 11, no. 3,
p. 121-126.

DESCRIPTIONS: *Seismic waves, Models (Simulation),
*Wave transmission, *Piezoelectric crystals, Ultra-
sonics, *Acoustics.

The transfer functions of transmission and reception
of seismic waves by induced piezoelectric plates
vibrating in the thickness direction. It was possible to
determine the elastic properties and to determine the
transfer functions of the materials to be applied to the
construction of the models in order to obtain pulses of
seismic waves.

Acoustical technology, TT, v. 9, no. 10

62-14436

I. Laverigne, M.
II. Chauveau, J.

SLP TT-64-16330

SLP TT-62-14436

Photo. of document, 62-14436

Tjaden, K.
ABSORPTION OF LONGITUDINAL ULTRASONIC
WAVES IN ALUMINUM AT HIGH TEMPERATURES.
[1962] [37]p. 20 refs.
Order from SLA \$3.60

62-14435

Trans. of Acustica (Switzerland) 1961, v. 11 [no. 3]
p. 127-136.

DESCRIPTORS: *Aluminum, Single crystals, Crystals,
*Ultrasonic radiation, *Absorption, Propagation, Tem-
perature, High temperature research, Ultrasonics.

(Physics--Acoustics, TT, v. 8, no. 6)

62-14435

I. Tjaden, K.

Office of Technical Services

Oetinger, R. And Hauser, H.
AN ELECTRICAL NETWORK FOR THE INVESTI-
GATION OF THE MECHANICAL VIBRATIONS OF
THE INNER EAR. [1961] 26p.
Order from ATS \$36.40

ATS-48N56G

Trans. of Acustica (Switzerland) 1961, v. 11,
p. 161-177.

DESCRIPTORS: *Ear, *Vibration, *Electrical net-
works, Recording devices, Physiology.

(Biological Sciences--Physiology, TT, v. 7, no. 3)

62-12226

- I. Oetinger, R.
- II. Hauser, H.
- III. ATS-48N56G
- IV. Associated Technical Ser-
vices, East Orange, N. J.

Office of Technical Services

The Dynamic Behavior of the Ear in Separating
the Sound Spectrum Into Frequency Groups,
by H. Scholl. 12 pp.

GOVERNMENT USE ONLY

GERMAN, per, Acustica, Vol 12, 1962, pp 101-107.

NASA TT F-12,719

Sci-B&M

Feb 70

401,762

A Test Sound Source for Broad-Band Microphones
for the Measurement of Sound Pulses in Liquids,
by W. Eisenmenger, 14 pp.

GOVERNMENT USE ONLY

GERMAN, per, Acustica, Vol 12, No 3, ¹⁹⁶²~~1968~~,
pp 165-172.

Dept of Navy NRL Tr No 1211

Sci/Phys
Sept 70

Electromagnetic Generation of Plane Pressure
Pulses in Fluids, by W. Eischenwenger.
GERMAN, per, Acustica, Vol 1, 1962, pp 185-202.
NSTIC Trans No 1680 P044024663

Sci-Prop & Fuels
Feb 68

350,437

Terminal Impedance of Resonant Cylindrical
Tubes, by J. Guittard.

GERMAN, per, Acustica, Vol XII, No 5, 1962,
pp 313-322.

J
~~*Navy/APL-260~~

Sci - Phys
Aug 63

May 63 3635/APL T816

Kleesattel, C.
"VIBRATOR AMPULLACEUS": A LONGITUDINAL
MECHANICAL RESONATOR FOR VERY HIGH AM-
PLITUDE GENERATION AND TRANSDUCER POWER
GAIN. [1963] 40p 10refs
Order from SLA \$3.60

TT-63-20618

Trans. of Acustica (Switzerland) 1962, v. 12, no. 5,
p. 322-334.

DESCRIPTORS: *Resonators, Magnetostrictive ele-
ments, Power amplifiers, Acoustic impedance,
Resonance, Ultrasonic equipment, Vibration.

The value of a mechanical resonator shaped according
to the sectional area function $S(x) = S_0 e^{-ax^2}$ is in-
vestigated both for very high amplitude generation and
for use as an electro-mechanical transducer operating
at resonance. For identical magnitudes of the peak
(Physics--Acoustics, TT, v. 11, no. 1) (over)

TT-63-20618

I. Kleesattel, C.
II. Title: Longitudinal ...

Office of Technical Services

Schülgerl, K.
ON THE NON-LINEARITY OF HEARING. 40p 21refs
Order from SLA \$3.60 TT-64-16584

Trans. of Acustica (Switzerland) 1962, v. 12, no. 6,
p. 386-397.

(Physics--Acoustics, TT, v. 12, no. 3)

TT-64-16584

I. Schülgerl, K.

Office of Technical Services

Pressure Chamber Methods for the Measurement
of Acoustical Impedances of Small Objects
(microphones) in Liquids, by M. Hund,
H. Kuttruff, 11 pp.

GERMAN, per, Acustica, Vol XII, 1962, pp 404-410.

Navy Tr 3530/USNL 33

Sci - Phys
Sep 63

344,192
NETIC T. R. ()

Absolute Calibration of Various Kinds of Underwater Sound
Transducers in the Range From 5 to 250 kc, by H. Kuttruff,
P. Wille, 19 pp.
GERMAN, per, Acustica, Vol ~~XIX~~ XII, 1962, pp 410-421.

Navy Tr 3725/USRL 36

NTC 70-14144-20A

Sci - Phys
Mar 64

250,957

Acoustic Arrangements in Rebuilding the German
Opera House, by L. Cremer, J. Mutsch, H. J. Zenke.
GERMAN, per, Acustica, Vol 12, No 6, 1962, pp 32-
428 - 9 - 2
AWA

Sci -
Aug 67

335,154

Should Acoustic Power and Sound Pressure Levels
of Machine Noise be Indicated, by W. Reichardt,
~~xxxx~~ 15 pp.

GERMAN, per, Acustica, Vol XI, No 1,
May 1963.

Navy Tr 3621/BuShips 622

Sci - Phys
Dec 63

244,170

Attempts to Standardize Effectively the Measurement of the Absorption Coefficient in Reverberation Rooms, by J. Guillermin.

GERMAN, per, Acustica, Vol 13, 1963, pp. 14-24.

NZDIA

NTC 70-10291-20A

sci-physics

aug 1969

390,191

The Optical Representation of Sound Fields
with Phase and Amplitude Recording, by
H. J. Schroeder
GERMAN, per, Acustica, Vol 13, No 2, 1963,
pp 92-108.
NLL Ref: 8732 (1258)

Sci-Physics
Aug 68

362,189

Schroeder, J. H.
OPTICAL REPRESENTATION OF SOUND FIELDS
WITH PHASE AND AMPLITUDE RECORDING.
[1963] 24p (figs formulae omitted)
Order from SLA \$2.60

TT-63-20653

Trans. of Acustica (Switzerland) 1963, v. 13, no. 2,
p. 92-108.

DESCRIPTORS: *Sound signals, *Phase measurement,
*Pulse height analyzers, *Recording systems,
*Optical equipment, Photographic recording systems,
Acoustic equipment, Transducers (Acoustic).

(Physics--Acoustics, TT, v. 11, no. 3)

TT-63-20653

1. Title: Sound field
visualization
1. Schroeder, J. H.

Office of Technical Services

Thickness Modes of Vibration of Barium Titanate Disks, by
G. Schmidt, R. Grohmann, 13 pp.
GERMAN, per, Acustica, Vol XIII, 1963, pp 131-139.

Navy Tr 3726/USRL 37
NTC 70-14153-20A

Sci - Phys
Mar 64

250,958

Reflecting Properties of Broken Ceilings (modal studies on the Reflector Arrangement of the New Philharmonic Hall in New York), by E. Mayer, H. Duttruff, 6 pp.

GERMAN, per, Acoustics, Vol XIII, 1963, pp 183-186.

¹⁸
Navy 9592/USNL 34

Sci - Engr
oct 63

345, 193

Effect of a Reflector on the Ultrasound Radiated by a
Periodically Structured Jet, by J. Y. Moisan.
GERMAN, per, Acustica, Vol XIII, No 4, 1963,
pp 251-257.
NASA TT F-9171

Sci-Phys
Jan 65
U.S. GOVERNMENT ONLY

270,978